

AMENDMENTS TO THE CLAIMS

Listing of Claims

A listing of the entire set of pending claims is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A system for controlling a light source within an area, the system comprising:
 a location detector for detecting a position of at least one person within an area;
 an activity detector for detecting a kind of activity and an intensity of the activity performed by the at least one person within the area based on a connection to an appliance, wherein the connection is configured to provide information about the kind of activity and the intensity of the activity; and
 a lighting controller for controlling the light source within the area in response to the detected position of the at least one person, the kind of activity, and the intensity of the activity, wherein the activity detector is configured to detect the kind of activity and the intensity of the activity from information provided from connection to at least one of: a computer, a radio, a telephone, a kitchen appliance, a television, and a movie display device.
- 2-3. (Cancelled).
4. (Previously Presented) The system according to claim 1, further comprising a detector for detecting noise within the area, wherein the lighting controller is configured to control the light source within the area in response to the detected noise.
5. (Previously Presented) The system according to claim 1, further comprising a motion detector for detecting motion of the person within the area, wherein the lighting controller is configured to control the light source within the area in response to the detected motion.
6. (Previously Presented) The system according to claim 1, further comprising a preference system for determining a preference of the at least one person, wherein the lighting controller is configured to control the light source within the area in response to the preference of the at least one person.
7. (Currently Amended) A method of controlling a light source within an area, the method comprising:
 detecting a position of at least one person within an area;
 detecting a kind of activity performed by the at least one person within the area and an intensity of the activity from information provided from a connection to at least one of the following: a computer, a radio, a telephone, a kitchen appliance, a computer, a television, and a movie display device ~~an appliance~~; and
 controlling the light source within the area in response to the detected at least one person, the kind of activity and the intensity of the activity.

8-9. (Cancelled).

10. (Previously Presented) The system of claim 1, wherein the activity detector is configured to detect at least one kind of activity from the following kinds of activities:

- a person reading a book; and
- a person watching a television program.

11. (Previously Presented) The system of claim 1, wherein the lighting controller is configured to control multiple light sources within the area in response to the detected at least one person, the kind of activity performed by the at least one person within the area , and the intensity of the activity.

12. (Previously Presented) The system of claim 1, wherein the location detector is configured to detect the position of the at least one person based upon an analysis of video images of the area.

13. (Previously Presented) The system of claim 1, wherein the activity detector is configured to detect the kind of activity performed by the at least one person based upon an analysis of video images of the area.

14. (Previously Presented) The system of claim 1,
wherein the light source comprises a first light unit;
wherein the location detector is configured to detect a position of a second person in the area,
and
wherein the lighting controller is configured to control the first light unit in response to the positions of the at least one person and the second person.

15. (Cancelled).

16. (Previously Presented) The method of claim 7, further comprising:
detecting an audio signal within the area; and
controlling the light source within the area in response to the detected audio signal.

17. (Previously Presented) The method of claim 16, wherein the audio signal is a human voice.

18. (Previously Presented) The method of claim 7, further comprising:
analyzing received video images of the at least one person; and
detecting the kind of activity performed by the at least one person within the area based at least in part upon the analysis.

19. (Previously Presented) The method of claim 7, wherein the light source comprises a first light unit; and further comprising:

detecting a position of a second person within the area; and
controlling the first light unit in response to the positions of the at least one person and the second person.

20. (Cancelled).

21. (Previously Presented) The system of claim 1, further comprising computer-readable software code for determining the activity and the intensity thereof from the connection to the appliance.

22. (Previously Presented) The system according to claim 1, further comprising a date and time system for determining a date and a time, wherein the lighting controller is configured to control the light source within the area in response to the determined date and time.

23. (Previously Presented) The system of claim 1, wherein the location detector comprises at least one of a pressure sensor, an infrared light sensor, and a proximity sensor.

24. (Currently Amended) ~~The system of claim 1-~~ A system for controlling a light source within an area, the system comprising:
a location detector for detecting a position of at least one person within an area;
an activity detector for detecting a kind of activity and an intensity of the activity performed by the at least one person within the area based on a connection to an appliance, wherein the connection is configured to provide information about the kind of activity and the intensity of the activity; and
a lighting controller for controlling the light source within the area in response to the detected position of the at least one person, the kind of activity, and the intensity of the activity, wherein the activity detector is configured to detect the kind of activity and the intensity of the activity from information provided from connection to a computer used by the at least one person.

25. (Cancelled).

26. (Previously Presented) The method of claim 7, further comprising:
determining a date and a time; and
controlling the light source within the area in response to the determined date and time.

27. (Currently Amended) ~~The method of claim 7,, further comprising detecting the kind of activity and the intensity of the activity from information provided from connection to~~

A method of controlling a light source within an area, the method comprising:

detecting a position of at least one person within an area;

detecting a kind of activity performed by the at least one person within the area and an intensity of the activity from information provided from a connection to an appliance- a computer used by the at least one person; and

controlling the light source within the area in response to the detected at least one person, the kind of activity and the intensity of the activity.

28-29. (Cancelled).